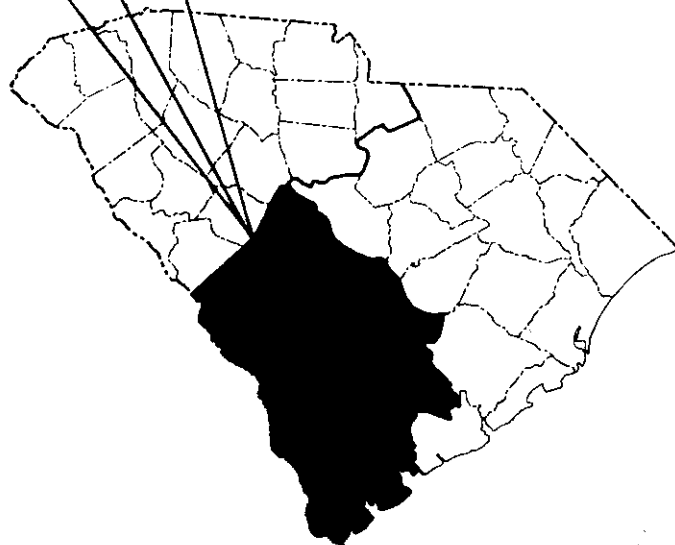


Forest Statistics  
for the  
Southern Coastal Plain  
of  
South Carolina,  
1978



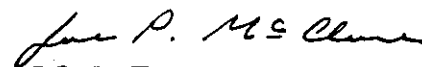
## FOREWORD

This report highlights the principal findings of the fifth forest inventory of the Southern Coastal Plain of South Carolina. Fieldwork began in April 1978 and was completed in August 1978. Four previous inventories, completed in 1934, 1947, 1958, and 1968, provide statistics for measuring changes and trends over the past 44 years. The primary emphasis in this report is on the changes and trends since 1968. Previously reported figures have been adjusted to provide the best estimate of change.

Renewable Resources Evaluation (formerly Forest Survey) is authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. The inventory is a continuing, nationwide undertaking by the regional experiment stations of the Forest Service, USDA. In Florida, Georgia, North Carolina, South Carolina, and Virginia, Renewable Resources Evaluation is administered through the Southeastern Forest Experiment Station, with headquarters in Asheville, North Carolina. The primary objective of the survey is to periodically inventory and evaluate the forest and related resources. These inventories provide information on the extent and condition of the forest lands, volume of timber, and rates of timber growth and removals. These evaluations help provide a basis for the formulation of forest policies and programs and for the orderly development and use of the resources.

The 12-county area covered by this report is one of three survey units in South Carolina. Similar reports, USDA Forest Service Resource Bulletins SE-45 and SE-47 have been issued for the Piedmont and Northern Coastal Plain. Another similar report containing many of the State totals is being released with this report. Two in-depth, analytical State reports, one dealing solely with timber and the second with all forest-related resources, should be available in early 1980.

The Southeastern Station gratefully acknowledges the cooperation of the South Carolina Commission of Forestry. Appreciation is also expressed for the excellent cooperation of other public agencies, forest industry, and private landowners in providing information and access to the sample locations.

  
JOE P. McCLURE  
Project Leader

August 1979

Southeastern Forest Experiment Station  
Asheville, North Carolina

Forest Statistics  
for the  
Southern Coastal Plain of  
South Carolina,  
1978

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## HIGHLIGHTS

Since 1968 in the Southern Coastal Plain of South Carolina—

area of commercial forest land has decreased by 41,000 acres, or by 1 percent. This decline reversed a long-term, upward trend in commercial forest area. Only 44,000 acres were added to the commercial forest-land base, while 85,000 acres were diverted to other land uses. About 47 percent of the diversions was to agricultural uses, 31 percent to urban development, and the remaining 22 percent to noncommercial forest and water. Commercial forests now occupy 3.2 million acres, or 62 percent of the total land area in this 12-county area.

area of commercial forest land owned by farmers has decreased by 430,000 acres, or by 26 percent. A large portion of this acreage moved to the miscellaneous private, corporate ownership class, which now controls nearly 11 percent of all commercial forest land. Miscellaneous private, individual holdings have remained about the same. Forest industry holdings increased by 20 percent to 546,000 acres, or 17 percent of all commercial forests. Acreage in public ownership has been stable.

about 49 percent of the land now classified as commercial forest land has been treated or significantly disturbed. Over 477,000 acres have been harvested, with 23 percent of these acres subsequently artificially regenerated. Altogether, 135,000 acres were artificially regenerated, with two-thirds of this activity taking place on lands owned or leased by forest industries. Stands originating from artificial planting and seeding now make up almost 18 percent of all commercial forests. Additional treatments included intermediate cuttings on 436,000 acres, and other treatments—mostly prescribed burning—on 388,000 acres. Disease, wildfires, insects, and other natural destructive agents caused significant damage on an additional 249,000 acres.

area of commercial forest land occupied by pine forest types has increased by 50,000 acres, or by 4 percent. Relatively undisturbed stands and those stands that were naturally disturbed accounted for 51 percent of the increase in pine types. Forestry practices, including harvesting, artificial regeneration, intermediate cutting, prescribed burning, and various other treatments accounted for 43 percent of the increase. Two-thirds of all harvested pine stands in this region have remained in pine types.

average basal area of all live trees 5.0 inches d.b.h. and larger has increased from 54 to 70 square feet per acre of commercial forest land. Over 30 percent of the commercial forests is fully stocked with growing-stock trees, compared with only 13 percent in 1968. Nearly 852,000 acres are nonstocked or poorly stocked with growing-stock trees. Rough and rotten trees make up 16 percent of the basal-area stocking. The number of softwood saplings has declined by 27 percent, while the number of hardwood saplings remained about the same. A 15 percent decline in the area occupied by sapling and seedling stands is consistent with these trends in number of saplings.

volume of softwood growing stock has increased from 1.6 to 2.3 billion cubic feet, or by 43 percent. Volume of loblolly pine, the predominant softwood species, increased by 52 percent. Slash pine volume increased by 143 percent, and this species has replaced longleaf pine as the region's second-most-abundant softwood species. Cypress volume declined by 5 percent. The softwood-volume increase occurred across the entire range of diameter classes. The current inventory of softwood growing stock includes 8.2 billion board feet of sawtimber, an increase of 46 percent.

volume of hardwood growing stock has increased from 1.8 to 2.2 billion cubic feet, or by 20 percent. Sweetgum and various red oak species accounted for two-thirds of the increase. Tupelo and blackgum, the second-most-abundant species group, increased in volume by only 3 percent. The current inventory of hardwood growing stock includes 6.7 billion board feet of sawtimber, up by 22 percent.

In 1977—

net annual growth of growing stock averaged nearly 81 cubic feet per acre of commercial forest land and totaled 260 million cubic feet. This high growth rate is attributed to the rapid development of many young pine stands, now 10 to 29 years old. Nearly 61 percent of such stands was established artificially. Softwood net growth exceeded removals by 80 percent, while hardwood net growth exceeded removals by 166 percent. Net growth exceeded removals on all ownerships. By ownership class, 21 percent of the net growth occurred on lands owned by forest industry, 72 percent on other private lands, and the remaining 7 percent on public forests. The net growth of all species included 966 million board feet of sawtimber.

removals of growing stock totaled 129 million cubic feet and included 487 million board feet of sawtimber. Softwood removals have increased by 39 percent since the previous survey, but hardwood removals have declined by 24 percent. Softwoods provide a disproportionate share of removals. They make up 51 percent of the inventory and two-thirds of the net growth but provide three-fourths of the removals. By ownership class, 29 percent of the volume removed was from forest industry lands, 69 percent from other private ownerships, and the remaining 2 percent from public lands.

mortality of growing stock totaled 23 million cubic feet and included 61 million board feet of sawtimber. The leading identifiable causes of death were suppression, disease, weather, and insects. Softwoods accounted for 53 percent of the mortality. Altogether, mortality reduced gross growth by 8 percent.

## HOW THE INVENTORY IS MADE

The method of the inventory is a sampling procedure designed to provide reliable statistics primarily at the State and Survey Unit levels. Individual county statistics are presented so that any combination of counties may be added together until a total is large enough to meet the desired degree of reliability. Procedures were as follows:

1. Initial estimates of forest and nonforest areas were based on the classification of 17,433 sample clusters systematically spaced on the latest aerial photographs available. A subsample of 1,722 of the 16-point clusters was ground checked, and a linear regression was fitted to the data to develop the relationship between the photo and ground classification of the subsample. This procedure provides a means for adjusting the initial estimates of area for change in land use since date of photography and for photo misclassifications.

2. Estimates of timber volume and forest classifications were based on measurements recorded at 1,080 ground sample locations systematically distributed within the forest land. A 10-point cluster of plots, measured with a basal-area factor of 37.5 square feet per acre, was established on an acre at each of these sample locations. Trees less than 5 inches d.b.h. were tallied on a portion of the fixed-radius plots around the point centers.

3. Equations prepared from detailed measurements collected on standing trees in this Unit, and similar measurements taken throughout the Southeast, were used to compute the volume of individual tally trees. A mirror caliper and sectional aluminum poles were used to obtain the additional measurements on these standing trees required to construct volume equations.

4. Felled trees were measured at 25 active cutting operations. These data will be pooled with similar measurements taken in the State to supplement the standing-tree-volume study and to generate utilization factors for product and species groups that will be analyzed at the State level.

5. Estimates of growth, removals, and mortality were determined from the remeasurement of 1,145 permanent sample plots which were established in the fourth survey.

6. Ownership information was collected from correspondence, public records, and local contacts. In those counties where the sample missed a particular ownership class, temporary sample plots were added on these lands.

7. All field data were sent to Asheville for editing and were punched into cards and stored for machine computing, sorting, and tabulation. Final estimates were based on statistical summaries of the data.

## RELIABILITY OF THE DATA

Statistical analysis of these data indicates the following sampling errors in terms of one standard error (two times out of three):

	<i>Percent</i>
Per million acres of commercial forest land .....	0.91
Per billion cubic feet of growing stock .....	5.65
Per billion cubic feet of net annual growth .....	1.39
Per billion cubic feet of annual removals .....	2.56



*SAMPLING ERRORS FOR COUNTY AND UNIT TOTALS,<sup>1</sup> IN TERMS OF  
ONE STANDARD ERROR*

COUNTY	COMMERCIAL FOREST AREA	CUBIC-FOOT VOLUME OF GROWING STOCK		
		INVENTORY	GROWTH	REMOVALS
- - - - - <i>SAMPLING ERROR<sup>2</sup></i> - - - - -				
AIKEN	1.09	8.87	8.61	18.68
ALLENDALE	2.44	11.22	12.43	33.32
BAMBERG	2.44	9.27	9.36	24.45
BARNWELL	1.43	10.27	9.68	22.49
BEAUFORT	3.17	11.13	11.10	42.30
CALHOUN	3.01	13.24	13.41	36.49
COLLETON	1.06	6.47	6.32	18.19
DORCHESTER	1.48	7.13	8.10	22.17
HAMPTON	1.65	8.02	6.90	25.58
JASPER	1.66	8.70	10.11	24.23
LEXINGTON	2.24	11.25	11.11	23.04
ORANGEBURG	1.56	7.68	8.59	17.47
UNIT TOTAL	0.51	2.66	2.72	7.13

<sup>1</sup> SAMPLING ERROR OF BREAKDOWNS OF COUNTY AND UNIT TOTALS MAY BE COMPUTED WITH THE FOLLOWING FORMULA:

$$E = \frac{(SE) \sqrt{(\text{SPECIFIED VOLUME OR AREA})}}{\sqrt{(\text{VOLUME OR AREA TOTAL IN QUESTION})}}$$

WHERE:  $E$  = SAMPLING ERROR OF THE VOLUME OR AREA TOTAL IN QUESTION.

SE = SPECIFIED SAMPLING ERROR IN TABLE.

<sup>2</sup> BY RANDOM-SAMPLING FORMULA (IN PERCENT).

## DEFINITIONS OF TERMS

Acceptable trees.--Growing-stock trees of commercial species that meet specified standards of size and quality, but not qualifying as desirable trees.

Basal area.--The area in square feet of the cross section at breast height of a single tree or of all the trees in a stand, usually expressed as square feet of basal area per acre.

Commercial forest land.--Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.

Commercial species.--Tree species presently or prospectively suitable for industrial wood products.

Cropland.--Land under cultivation within the past 24 months, including orchards and land in soil-improving crops, but excluding land cultivated in developing improved pasture. Also includes idle farmland.

Desirable trees.--Growing-stock trees of commercial species having no serious defects in quality limiting present or prospective use for timber products, of relatively high vigor, and containing no pathogens that may result in death or serious deterioration before rotation age.

Diameter class.--A classification of trees based on diameter outside bark, measured at breast height ( $4\frac{1}{2}$  feet above the ground). D.b.h. is the common abbreviation for "diameter at breast height." Two-inch-diameter classes are commonly used in Forest Survey, with the even inch the approximate midpoint for a class. For example, the 6-inch class includes trees 5.0 through 6.9 inches d.b.h., inclusive.

Farm.--Either a place operated as a unit of 10 or more acres from which the sale of agricultural products totaled \$50 or more annually, or a place operated as a unit of less than 10 acres from which the sale of agricultural products for the year amounted to at least \$250.

Farm operator.--A person who operates a farm, either doing the work himself or directly supervising the work.

Farmer-owned lands.--Lands owned by farm operators.

Forest industry lands.--Lands owned by companies or individuals operating wood-using plants.

Forest land.--Land at least 16.7 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use.

Forest type.--A classification of forest land based upon the species forming a plurality of live-tree stocking.

Longleaf-slash pine.--Forests in which longleaf or slash pine, singly or in combination, comprises a plurality of the stocking. (Common associates include oak, hickory, and gum.)

Loblolly-shortleaf pine.--Forests in which loblolly pine, shortleaf pine, or other southern yellow pines, except longleaf or slash pine, singly or in combination, comprise a plurality of the stocking. (Common associates include oak, hickory, and gum.)

Oak-pine.--Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking but in which pines comprise 25 to 50 percent of the stocking. (Common associates include gum, hickory, and yellow-poplar.)

Oak-hickory.--Forests in which upland oaks or hickory, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 50 percent, in which case the stand would be classified oak-pine. (Common associates include yellow-poplar, elm, maple, and black walnut.)

Oak-gum-cypress.--Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprises a plurality of the stocking, except where pines comprise 25 to 50 percent, in which case the stand would be classified oak-pine. (Common associates include cottonwood, willow, ash, elm, hackberry, and maple.)

Elm-ash-cottonwood.--Forests in which elm, ash, or cottonwood, singly or in combination, comprises a plurality of the stocking. (Common associates include willow, sycamore, beech, and maple.)

Gross growth.--Annual increase in net volume of trees in the absence of cutting and mortality.

Growing-stock trees.--Live trees of commercial species qualifying as desirable or acceptable trees.

Growing-stock volume.--Net volume in cubic feet of growing-stock trees 5.0 inches d.b.h. and over from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs. (Net volume in primary forks is included.)

Hardwoods.--Dicotyledonous trees, usually broad-leaved and deciduous.

Soft hardwoods.--Soft-textured hardwoods such as boxelder, red and silver maple, buckeye, hackberry, loblolly-bay, silverbell (in mountains), butternut, sweetgum, yellow-poplar, cucumbertree, magnolia, sweetbay, water tupelo, blackgum, sycamore, cottonwood, black cherry, willow, basswood, and elm.

Hard hardwoods.--Hard-textured hardwoods such as Florida and sugar maple, birch, hickory, dogwood, persimmon (forest grown), beech, ash, honeylocust, holly, black walnut, mulberry, all commercial oaks, and black locust.

Idle farmland.--Includes former croplands, orchards, improved pastures and farm sites not tended within the past 2 years, and presently less than 16.7 percent stocked with trees.

Improved pasture.--Land currently improved for grazing by cultivation, seeding, irrigation, or clearing of trees or brush.

Industrial wood.--All roundwood products except fuelwood.

Land area.--The area of dry land and land temporarily or partly covered by water such as marshes, swamps, and river flood plains (omitting tidal flats below mean high tide); streams, sloughs, estuaries, and canals less than 1/8 of a statute mile in width; and lakes, reservoirs, and ponds less than 40 acres in area.

Logging residues.--The unused portions of trees cut or killed by logging.

Miscellaneous Federal lands.--Federal lands other than National Forests, lands administered by the Bureau of Land Management, and Indian lands.

Miscellaneous private lands - corporate.--Lands owned by private corporations other than forest industry.

Miscellaneous private lands - individual.--Privately owned lands other than forest-industry, farmer-owned, or corporate lands.

Mortality.--Number or sound-wood volume of live trees dying from natural causes during a specified period.

National Forest land.--Federal lands which have been legally designated as National Forests or purchase units, and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Net annual growth.--The increase in volume for a specific year.

Net volume.--Gross volume less deductions for rot, sweep, or other defect affecting use for timber products.

Noncommercial forest land.--(a) Unproductive forest land incapable of yielding crops of industrial wood because of adverse site conditions, and (b) productive-reserved forest land.

Noncommercial species.--Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial wood products.

Nonforest land.--Land that has never supported forests and lands formerly forested where timber management is precluded by development for other uses.

Nonstocked land.--Commercial forest land less than 16.7 percent stocked with growing-stock trees.

Other Federal lands.--Federal lands other than National Forests, including lands administered by the Bureau of Land Management, Bureau of Indian Affairs, and other Federal agencies.

Other public lands.--Publicly owned lands other than National Forests.

Overstocked areas.--Areas where growth of trees is significantly reduced by excessive numbers of trees.

Poletimber trees.--Growing-stock trees of commercial species at least 5.0 inches in d.b.h. but smaller than sawtimber size.

Productive-reserved forest land.--Forest land sufficiently productive to qualify as commercial forest land, but withdrawn from timber utilization through statute or administrative designation.

Rangeland.--Land on which the natural plant cover is composed principally of native grasses, forbs, or shrubs valuable for forage.

Rotten trees.--Live trees of commercial species that do not contain at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, primarily because of rot or missing sections, and with less than one-third of the gross tree volume in sound material.

Rough trees.--(a) Live trees of commercial species that do not contain at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, primarily because of roughness, poor form, splits, and cracks, and with less than one-third of the gross tree volume in sound material; and (b) all live trees of noncommercial species.

Salvable dead trees.--Standing or down dead trees that are considered merchantable by Forest Survey standards.

Saplings.--Live trees 1.0 to 5.0 inches in diameter at breast height.

Saw log.--A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, and with a minimum diameter inside bark for softwoods of 6 inches (8 inches for hardwoods).

Saw-log portion.--That part of the bole of sawtimber trees between the stump and the saw-log top.

Saw-log top.--The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum saw-log top is 7.0 inches d.o.b. for softwoods and 9.0 inches d.o.b. for hardwoods.

Sawtimber trees.--Live trees of commercial species containing at least a 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, and with at least one-third of the gross board-foot volume between the 1-foot stump and minimum saw-log top being sound. Softwoods must be at least 9.0 inches and hardwoods at least 11.0 inches in diameter at breast height.

Sawtimber volume.--Net volume of the saw-log portion of live sawtimber in board-foot International 1/4-inch rule.

Seedlings.--Live trees less than 1.0 inch in diameter at breast height that are expected to survive and develop.

Site class.--A classification of forest land in terms of inherent capacity to grow crops of industrial wood based on fully stocked natural stands.

Class 1.--Sites capable of producing 165 or more cubic feet per acre annually.

Class 2.--Sites capable of producing 120 to 165 cubic feet per acre annually.

Class 3.--Sites capable of producing 85 to 120 cubic feet per acre annually.

Class 4.--Sites capable of producing 50 to 85 cubic feet per acre annually.

Class 5.--Sites incapable of producing 50 cubic feet per acre annually, but excluding unproductive sites.

Softwoods.--Coniferous trees, usually evergreen, having needles or scale-like leaves.

Pines.--Yellow pine species which include loblolly, longleaf, slash, shortleaf, pitch, Virginia, Table-Mountain, sand, and spruce pine.

Other softwoods.--White pine, hemlock, cypress, eastern redcedar, white-cedar, spruce, and fir.

Stand-size class.--A classification of forest land based on the size class of growing-stock trees on the area.

Sawtimber stands.--Stands at least 16.7 percent stocked with growing-stock trees, with half or more of total stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Poletimber stands.--Stands at least 16.7 percent stocked with growing-stock trees of which half or more of this stocking is in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

Sapling-seedling stands.--Stands at least 16.7 percent stocked with growing-stock trees of which more than half of the stocking is saplings and seedlings.

State, county, and municipal lands.--Lands owned by States, counties, and local public agencies or municipalities, or lands leased to these governmental units for 50 years or more.

Stocking.--The degree of occupancy of land by trees, measured by basal area or the number of trees in a stand and spacing in the stand, compared to a minimum standard, depending on tree size, to fully utilize the growth potential of the land. (See page 12.)

Timber removals.--The net volume of growing-stock trees removed from the inventory by harvesting; cultural operations, such as stand improvement; land clearing, or changes in land use.

Unproductive forest land.--Forest land incapable of producing 20 cubic feet per acre of industrial wood under natural conditions, because of adverse site conditions.

Upper-stem portion.--That part of the main stem or fork of sawtimber trees above the saw-log top to a minimum top diameter of 4.0 inches outside bark or to the point where the main stem or fork breaks into limbs.

Urban and other areas.--Areas within the legal boundaries of cities and towns; suburban areas developed for residential, industrial, or recreational purposes; school yards; cemeteries; roads; railroads; airports; beaches; powerlines and other rights-of-way; or other nonforest land not included in any other specified land use class.

# STOCKING STANDARD

D.B.H. CLASS	MINIMUM NUMBER OF TREES PER ACRE FOR FULL STOCKING	MINIMUM BASAL AREA PER ACRE FOR FULL STOCKING	PERCENT STOCKING ASSIGNED EACH TALLY TREE <sup>1</sup>
SEEDLINGS	600	--	5.0
2	560	--	5.4
4	460	--	6.5
6	340	67	5.8
8	240	84	4.8
10	155	85	4.3
12	115	90	4.0
14	90	96	3.8
16	72	101	3.7
18	60	106	3.5
20	51	111	3.5

<sup>1</sup> TREES LESS THAN 5.0 INCHES D.B.H. WERE TALLIED ON A 10-POINT CLUSTER OF CIRCULAR, 1/300-ACRE PLOTS AT EACH SAMPLE LOCATION. TREES 5.0 INCHES D.B.H. AND LARGER WERE TALLIED ON A 10-POINT CLUSTER OF VARIABLE PLOTS USING A BASAL AREA FACTOR OF 37.5 AT EACH SAMPLE LOCATION.

OVERSTOCKED--OVER 130 PERCENT  
FULLY STOCKED--100-130 PERCENT  
MEDIUM STOCKED--60-99 PERCENT  
POORLY STOCKED--16.7-59 PERCENT  
NONSTOCKED--LESS THAN 16.7 PERCENT

## CUBIC FEET OF WOOD PER AVERAGE CORD (EXCLUDING BARK)

D.B.H. CLASS	ALL SPECIES	PINE	OTHER SOFTWOOD	HARDWOOD
6	60.6	61.0	68.2	60.0
8	68.5	68.1	76.0	68.4
10	73.5	73.1	81.4	73.4
12	76.8	76.7	85.2	76.4
14	79.3	79.4	88.2	78.4
16	81.0	81.6	90.4	79.8
18	82.2	83.3	92.3	80.8
20	83.2	84.8	93.8	81.5
22	83.8	86.0	95.1	82.1
24+	84.7	87.6	98.6	83.2
AVERAGE	74.8	74.0	86.4	74.6



# COUNTY TABLES

THE COUNTY TABLES ARE INTENDED FOR USE IN COMPILING FOREST RESOURCE ESTIMATES FOR GROUPS OF COUNTIES. BECAUSE THE SAMPLING PROCEDURE USED BY THE FOREST SURVEY WAS INTENDED PRIMARILY TO FURNISH INVENTORY DATA FOR THE SURVEY UNIT AS A WHOLE, INDIVIDUAL COUNTY ESTIMATES HAVE LIMITED AND VARIABLE ACCURACY. AS COUNTY TOTALS ARE BROKEN DOWN BY VARIOUS SUBDIVISIONS, THE POSSIBILITY OF ERROR INCREASES AND IS GREATEST FOR THE SMALLEST ITEMS. THE ORDER OF THIS INCREASE CAN BE COMPUTED WITH THE FORMULA ON PAGE 5.

TABLE 1. --AREA, BY LAND CLASS AND COUNTY, 1978

COUNTY	ALL LAND <sup>1</sup>	FOREST LAND				NONFOREST LAND <sup>2</sup>
		TOTAL	COMMERCIAL FOREST	UNPRODUCTIVE FOREST	PRODUCTIVE-RESERVED	
-- ACRES --						
AIKEN	695,680	489,774	488,900	--	874	205,906
ALLENOLE	267,520	158,504	158,504	--	--	109,016
BAMBERG	252,800	148,795	148,440	--	355	104,005
BARNWELL	353,920	226,357	226,228	--	129	127,563
BEAUFORT	370,560	142,161	140,531	--	1,630	228,399
CALHOUN	241,280	130,243	130,243	--	--	111,037
COLLETON	671,360	476,667	476,667	--	--	194,693
DORCHESTER	364,160	271,644	271,334	--	310	92,516
HAMPTON	359,680	245,589	245,589	--	--	114,091
JASPER	417,280	313,206	299,706	--	13,500	104,074
LEXINGTON	458,880	267,942	267,942	--	--	190,938
ORANGEBURG	707,840	369,503	369,300	--	203	338,337
TOTAL	5,160,960	3,240,385	3,223,384	--	17,001	1,920,575

<sup>1</sup> FROM U. S. BUREAU OF THE CENSUS, LAND AND WATER AREA OF THE UNITED STATES, 1970.

<sup>2</sup> INCLUDES 65,011 ACRES OF WATER ACCORDING TO SURVEY STANDARDS OF AREA CLASSIFICATION, BUT DEFINED BY THE BUREAU OF THE CENSUS AS LAND.

TABLE 2. --AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND COUNTY, 1978

COUNTY	ALL OWNERSHIPS	OWNERSHIP CLASS							
		NATIONAL FOREST	MISCELLANEOUS FEDERAL	STATE	COUNTY AND MUNICIPAL	FOREST INDUSTRY <sup>1</sup>	FARMER	MISCELLANEOUS PRIVATE	
								CORPORATE	INDIVIDUAL
-- ACRES --									
AIKEN	488,900	6,021	61,776	1,413	843	46,825	157,756	53,646	160,620
ALLENDALE	158,504	--	3,908	1	68	48,112	66,808	20,556	19,051
BAMBERG	148,440	--	--	10	130	20,529	79,095	6,084	42,592
BARNWELL	226,228	--	109,076	716	244	20,610	48,706	11,461	35,415
BEAUFORT	140,531	--	4,376	1,502	567	9,478	14,835	26,702	83,071
CALHOUN	130,243	--	--	1,595	34	5,009	80,236	3,251	40,118
COLLETON	476,667	--	--	1,447	690	115,554	217,192	24,133	117,651
DORCHESTER	271,334	--	--	1,714	50	82,160	117,478	27,974	41,958
HAMPTON	245,589	--	--	5,305	148	58,755	103,197	18,766	59,418
JASPER	299,706	--	--	5	134	100,059	60,395	101,478	37,635
LEXINGTON	267,942	--	--	314	285	2,511	122,726	41,986	100,120
ORANGEBURG	369,300	--	1,175	6,249	395	36,599	187,424	10,391	127,067
TOTAL	3,223,384	6,021	180,311	20,271	3,588	546,201	1,255,848	346,428	864,716

<sup>1</sup> NOT INCLUDING 9,563 ACRES OF FARMER-OWNED AND MISCELLANEOUS PRIVATE LANDS LEASED TO FOREST INDUSTRY.

TABLE 3. -- AREA OF COMMERCIAL FOREST LAND, BY FOREST-TYPE GROUP AND COUNTY, 1978

COUNTY	ALL TYPE GROUPS	FOREST-TYPE GROUP										ACRES
		WHITE PINE-HEMLOCK	SPRUCE-FIR	LONGLEAF-SLASH	LOBLOLLY-SHORTLEAF	OAK-PINE	OAK-HICKORY	OAK-GUM-CYPRESS	ELM-ASH-COTTONWOOD	MAPLE-BEECH-BIRCH		
AIKEN	488,900	--	--	142,556	117,211	64,678	107,616	50,887	5,952	--		
ALLENDALE	158,504	--	--	22,356	63,667	7,710	26,562	18,490	19,719	--		
BAMBERG	148,440	--	--	21,369	30,508	18,254	29,432	48,877	--	--		
BARNWELL	226,228	--	--	53,247	60,766	30,665	36,120	45,430	--	--		
BEAUFORT	140,531	--	--	24,641	26,103	24,303	28,901	36,583	--	--		
CALHOUN	130,243	--	--	21,402	40,152	12,344	27,774	25,485	3,086	--		
COLLETON	476,667	--	--	59,998	155,837	46,756	56,760	157,316	--	--		
DORCHESTER	271,334	--	--	28,006	49,410	53,326	42,222	98,370	--	--		
HAMPTON	245,589	--	--	54,209	42,602	18,573	24,636	105,569	--	--		
JASPER	299,706	--	--	64,417	80,407	20,913	28,136	99,123	6,710	--		
LEXINGTON	267,942	--	--	45,532	70,330	45,215	87,202	13,203	6,460	--		
ORANGEBURG	369,300	--	--	18,698	65,265	57,690	83,717	143,630	--	--		
TOTAL	3,223,384	--	--	556,431	802,258	400,727	579,078	842,963	41,927	--		

TABLE 4. --AREA OF COMMERCIAL FOREST LAND, BY STAND-SIZE CLASS  
AND COUNTY, 1978

COUNTY	ALL STANDS	STAND-SIZE CLASS			NONSTOCKED AREAS
		SAWTIMBER	POLETIMBER	SAPLING- SEEDLING	
- - - - - ACRES - - - - -					
AIKEN	488,900	182,697	104,502	151,527	50,174
ALLENDALE	158,504	87,998	16,482	51,455	2,569
BAMBERG	148,440	62,981	58,939	26,520	--
BARNWELL	226,228	109,160	64,196	44,413	8,459
BEAUFORT	140,531	90,670	32,039	17,822	--
CALHOUN	130,243	62,552	33,745	30,860	3,086
COLLETON	476,667	232,568	118,662	112,027	13,410
DORCHESTER	271,334	158,966	53,469	58,899	--
HAMPTON	245,589	125,899	67,475	52,215	--
JASPER	299,706	144,825	73,182	64,277	17,422
LEXINGTON	267,942	109,090	58,446	58,137	42,269
ORANGEBURG	369,300	147,474	91,711	125,764	4,351
TOTAL	3,223,384	1,514,880	772,848	793,916	141,740

TABLE 5. --AREA OF COMMERCIAL FOREST LAND, BY SITE CLASS AND COUNTY, 1978

COUNTY	ALL CLASSES	SITE CLASS				
		1	2	3	4	5
- - - - - ACRES - - - - -						
AIKEN	488,900	--	--	48,749	224,981	215,170
ALLENDALE	158,504	--	--	23,157	124,201	11,146
BAMBERG	148,440	--	--	33,538	92,543	22,359
BARNWELL	226,228	--	3,582	54,446	137,535	30,665
BEAUFORT	140,531	--	12,658	60,939	51,309	15,625
CALHOUN	130,243	--	3,086	40,916	56,544	29,697
COLLETON	476,667	6,033	17,544	136,034	280,631	36,425
DORCHESTER	271,334	--	15,737	112,500	120,649	22,448
HAMPTON	245,589	3,127	3,127	43,212	159,925	36,198
JASPER	299,706	4,003	14,716	100,728	148,115	32,144
LEXINGTON	267,942	--	--	6,460	135,207	126,275
ORANGEBURG	369,300	--	--	137,954	205,935	25,411
TOTAL	3,223,384	13,163	70,450	798,633	1,737,575	603,563

TABLE 6. --AREA OF COMMERCIAL FOREST LAND, BY STOCKING CLASSES OF GROWING-STOCK TREES, BY COUNTY, 1978

COUNTY	ALL CLASSES	STOCKING PERCENTAGE <sup>1</sup>				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
----- ACRES -----						
AIKEN	488,900	2,942	59,707	199,812	176,265	50,174
ALLENDALE	158,504	1,066	66,576	60,864	27,429	2,569
BAMBERG	148,440	5,095	30,627	85,329	27,389	--
BARNWELL	226,228	6,696	56,687	86,748	67,638	8,459
BEAUFORT	140,531	7,512	30,574	51,217	51,228	--
CALHOUN	130,243	--	44,167	52,130	30,860	3,086
COLLETON	476,667	23,575	171,246	209,775	58,661	13,410
DORCHESTER	271,334	5,594	94,467	131,896	39,377	--
HAMPTON	245,589	15,066	109,169	102,589	18,765	--
JASPER	299,706	4,002	98,612	137,462	42,208	17,422
LEXINGTON	267,942	3,229	31,579	93,657	97,208	42,269
ORANGEBURG	369,300	15,522	97,174	179,162	73,091	4,351
TOTAL	3,223,384	90,299	890,585	1,390,641	710,119	141,740

<sup>1</sup> SEE STOCKING STANDARDS ON PAGE 12.

TABLE 7. -- VOLUME OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1978

COUNTY	SAWTIMBER					GROWING STOCK				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
	THOUSAND BOARD FEET					THOUSAND CUBIC FEET				
AIKEN	1,343,079	866,739	12,763	318,101	145,476	412,087	252,355	3,114	98,209	58,409
ALLENDALE	870,083	454,096	40,969	194,573	180,445	248,762	127,794	10,417	57,954	52,597
BAMBERG	673,813	300,586	68,892	217,015	87,320	218,776	96,358	17,112	68,215	37,091
BARNWELL	828,715	462,714	29,845	208,119	128,037	274,695	134,917	10,288	85,672	43,818
BEAUFORT	874,086	497,020	5,055	248,052	123,959	228,677	121,992	1,121	67,475	38,089
CALHOUN	724,599	405,861	9,645	221,220	87,873	202,718	104,399	2,499	66,806	29,014
COLLETON	2,363,972	1,248,851	101,949	545,398	467,774	731,037	356,163	26,606	204,373	143,895
DORCHESTER	1,585,779	676,871	163,565	378,975	366,368	463,973	180,130	37,834	137,363	108,646
HAMPTON	1,581,062	523,263	123,167	450,505	484,127	482,891	161,868	29,986	156,235	134,802
JASPER	1,452,082	613,665	147,807	299,750	390,860	424,890	187,269	33,960	100,120	103,541
LEXINGTON	947,213	712,566	4,349	102,020	128,278	263,191	183,726	1,734	34,244	43,487
ORANGEBURG	1,623,777	619,783	112,154	546,285	345,555	546,952	179,229	31,173	209,738	126,812
TOTAL	14,868,260	7,382,015	820,160	3,730,013	2,936,072	4,498,649	2,086,200	205,844	1,286,404	920,201

FACTORS FOR CONVERTING TO CORDS ARE SHOWN ON PAGE 12.

TABLE 8. --NET ANNUAL GROWTH OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1977

COUNTY	SAWTIMBER				GROWING STOCK			
	ALL SPECIES	PINE	OTHER SOFTWOOD	THOUSAND BOARD FEET	ALL SPECIES	PINE	OTHER SOFTWOOD	THOUSAND CUBIC FEET
AIKEN	94,982	75,716	322	11,284	25,659	19,920	64	3,085
ALLENDALE	60,355	42,260	816	7,583	14,646	10,016	185	2,580
BAMBERG	49,190	31,090	1,564	10,729	12,094	7,581	327	2,495
BARNWELL	61,253	39,669	1,023	13,235	16,287	10,486	212	3,631
BEAUFORT	47,088	33,109	128	8,461	12,409	8,377	29	2,356
CALHOUN	46,075	30,595	264	12,089	11,721	8,268	50	2,410
COLLETON	159,887	106,064	2,700	22,806	48,371	33,403	657	8,374
DORCHESTER	96,211	58,916	3,714	16,673	23,499	13,196	900	4,888
HAMPTON	93,990	48,168	3,417	22,556	24,287	12,843	626	5,433
JASPER	87,548	53,424	3,728	11,493	26,102	17,275	664	4,271
LEXINGTON	62,714	50,916	153	6,673	15,600	12,522	46	1,561
ORANGEBURG	106,476	55,066	2,748	28,419	29,339	14,686	617	7,412
TOTAL	965,769	624,993	20,577	172,001	260,014	168,573	4,377	48,496
								38,568

TABLE 9. --ANNUAL REMOVALS OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1977

COUNTY	SAWTIMBER				GROWING STOCK			
	ALL SPECIES	PINE	OTHER SOFTWOOD	THOUSAND BOARD FEET	ALL SPECIES	PINE	OTHER SOFTWOOD	THOUSAND CUBIC FEET
AIKEN	55,578	45,220	860	5,088	16,963	14,158	161	1,246
ALLENDALE	21,831	16,599	--	3,021	6,210	4,514	--	1,104
BAMBERG	14,802	10,125	1,624	1,946	4,266	3,228	311	503
BARNWELL	11,877	10,539	--	1,338	5,324	4,859	--	355
BEAUFORT	13,644	8,180	--	1,447	3,181	1,747	--	275
COLLETON	32,879	30,139	--	2,397	7,125	6,213	--	602
CALHOUN	100,987	67,171	790	17,271	25,166	15,895	173	4,997
DORCHESTER	48,341	36,209	789	6,389	9,956	7,392	138	1,557
HAMPTON	30,825	25,461	--	3,102	9,974	8,159	--	983
JASPER	60,779	47,901	--	5,689	15,632	11,523	--	2,516
LEXINGTON	20,528	18,015	--	431	6,368	5,811	--	97
ORANGEBURG	74,482	42,594	3,453	18,217	18,792	11,178	734	4,073
TOTAL	486,553	358,153	7,516	66,336	128,957	94,677	1,517	18,308
								14,455



TABLE 10. --AREA OF COMMERCIAL FOREST LAND, BY FOREST TYPE AND OWNERSHIP CLASS, 1978

FOREST TYPE	ALL OWNERSHIPS	OWNERSHIP CLASS				
		NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISC. PRIVATE
----- ACRES -----						
SOFTWOOD TYPES:						
WHITE PINE-HEMLOCK	--	--	--	--	--	--
SPRUCE-FIR	--	--	--	--	--	--
LONGLEAF PINE	241,414	--	34,149	--	81,069	126,196
SLASH PINE	315,017	--	22,550	109,644	62,530	120,293
LOBLOLLY PINE	685,959	3,011	55,431	161,391	267,908	198,218
SHORTLEAF PINE	24,504	--	34	2,459	3,229	18,782
VIRGINIA PINE	--	--	--	--	--	--
SAND PINE	--	--	--	--	--	--
EASTERN REDCEDAR	--	--	--	--	--	--
POND PINE	88,612	--	148	14,417	33,514	40,533
SPRUCE PINE	3,183	--	724	2,459	--	--
PITCH PINE	--	--	--	--	--	--
TABLE-MOUNTAIN PINE	--	--	--	--	--	--
TOTAL	1,358,689	3,011	113,036	290,370	448,250	504,022
HARDWOOD TYPES:						
OAK-PINE	400,727	--	21,619	46,127	156,445	176,536
OAK-HICKORY	422,274	--	25,650	39,614	207,078	149,932
CHESTNUT OAK	--	--	--	--	--	--
SOUTHERN SCRUB OAK	156,804	--	9,804	5,152	57,638	84,210
OAK-GUM-CYPRESS	842,963	--	31,119	158,066	369,182	284,596
ELM-ASH-COTTONWOOD	41,927	3,010	2,942	6,872	17,255	11,848
MAPLE-BEECH-BIRCH	--	--	--	--	--	--
TOTAL	1,864,695	3,010	91,134	255,831	807,598	707,122
ALL TYPES	3,223,384	6,021	204,170	546,201	1,255,848	1,211,144

TABLE 11. --AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP AND STOCKING CLASSES OF GROWING-STOCK TREES, 1978

OWNERSHIP CLASSES	ALL CLASSES	STOCKING PERCENTAGE <sup>1</sup>				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
ACRES						
NATIONAL FOREST	6,021	--	3,011	3,010	--	--
OTHER PUBLIC	204,170	5,739	58,135	96,962	34,867	8,467
FOREST INDUSTRY	546,201	21,720	229,073	221,987	62,043	11,378
FARMER	1,255,848	21,438	290,164	590,825	304,572	48,849
MISC. PRIVATE	1,211,144	41,402	310,202	477,857	308,637	73,046
ALL OWNERSHIPS	3,223,384	90,299	890,585	1,390,641	710,119	141,740

<sup>1</sup> SEE STOCKING STANDARDS ON PAGE 12.

TABLE 12. --VOLUME OF TIMBER ON COMMERCIAL FOREST LAND, BY CLASS AND SPECIES GROUP, 1978

CLASS OF TIMBER	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
- - - - - THOUSAND CUBIC FEET - - - - -					
SAWTIMBER TREES:					
SAW-LOG PORTION	2,914,047	1,435,772	169,400	757,905	550,970
UPPER-STEM PORTION	241,759	80,355	9,481	87,971	63,952
TOTAL	3,155,806	1,516,127	178,881	845,876	614,922
POLETIMBER TREES	1,342,843	570,073	26,963	440,528	305,279
ALL GROWING-STOCK TREES	4,498,649	2,086,200	205,844	1,286,404	920,201
ROUGH TREES:					
SAWTIMBER-SIZE TREES	226,326	21,703	3,126	107,989	93,508
POLETIMBER-SIZE TREES	298,746	32,526	2,731	142,308	121,181
TOTAL	525,072	54,229	5,857	250,297	214,689
ROTTEN TREES:					
SAWTIMBER-SIZE TREES	67,310	615	2,159	44,408	20,128
POLETIMBER-SIZE TREES	9,362	--	243	5,694	3,425
TOTAL	76,672	615	2,402	50,102	23,553
SALVABLE DEAD TREES:					
SAWTIMBER-SIZE TREES	462	456	6	--	--
POLETIMBER-SIZE TREES	466	432	34	--	--
TOTAL	928	888	40	--	--
TOTAL, ALL TIMBER	5,101,321	2,141,932	214,143	1,586,803	1,158,443

TABLE 13. --NUMBER OF GROWING-STOCK TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1978

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										29.0 AND LARGER
		5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9		
THOUSAND TREES												
SOFTWOOD:												
LONGLEAF PINE	27,821	9,140	7,048	5,057	3,426	1,972	802	274	86	16	--	
SLASH PINE	58,848	26,804	18,533	8,449	3,343	963	506	192	30	28	--	
SHORTLEAF PINE	4,304	1,561	646	718	824	314	170	50	6	15	--	
LOBLOLLY PINE	93,734	35,781	22,613	14,845	8,869	5,530	2,998	1,588	827	666	17	
POND PINE	16,181	5,495	3,828	2,718	2,000	1,148	466	282	165	79	--	
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--	
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--	
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--	
SPRUCE PINE	1,241	176	221	282	151	130	111	58	66	46	--	
SAND PINE	--	--	--	--	--	--	--	--	--	--	--	
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--	
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--	
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--	
BALDCYPRESS	5,611	974	984	1,066	678	795	437	311	176	177	13	
POND CYPRESS	5,750	1,411	1,550	1,179	610	448	296	119	56	74	7	
CEDARS	310	158	68	52	32	--	--	--	--	--	--	
TOTAL SOFTWOODS	213,800	81,500	55,491	34,366	19,933	11,300	5,786	2,874	1,412	1,101	37	
HARDWOOD:												
SELECT WHITE OAKS	6,499	2,587	1,584	757	506	404	275	195	71	106	14	
SELECT RED OAKS	1,465	311	220	218	156	256	146	92	5	49	12	
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	--	--	
OTHER WHITE OAKS	4,186	1,727	721	660	372	223	178	87	68	130	20	
OTHER RED OAKS	42,362	17,057	10,282	5,538	3,484	2,133	1,707	835	539	675	112	
HICKORY	7,399	3,264	1,750	858	445	421	266	181	89	95	30	
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--	
HARD MAPLE	4	--	--	--	--	--	--	--	--	4	--	
SOFT MAPLE	12,516	6,192	2,342	1,674	886	732	321	184	94	91	--	
BEECH	92	52	--	--	--	22	--	--	5	13	--	
SWEETGUM	38,395	16,248	8,811	5,529	3,221	2,012	1,265	646	361	290	12	
TUPELO AND BLACKGUM	35,068	9,483	7,677	5,937	5,106	3,132	1,827	977	444	457	28	
ASH	5,512	1,631	1,267	1,097	564	435	224	130	72	86	6	
COTTONWOOD	347	62	110	95	54	--	--	13	5	8	--	
BASSWOOD	--	--	--	--	--	--	--	--	--	--	--	
YELLOW-POPLAR	6,053	1,831	1,310	1,114	630	377	296	264	99	115	17	
BAY AND MAGNOLIA	601	251	106	108	69	21	25	--	5	12	4	
BLACK CHERRY	1,251	742	448	47	14	--	--	--	--	--	--	
BLACK WALNUT	5	--	--	--	--	--	--	--	5	--	--	
SYCAMORE	138	--	32	--	26	35	10	13	--	21	1	
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--	
ELM	2,936	943	695	444	312	225	79	98	81	52	7	
OTHER EASTERN HARDWOODS	3,005	1,266	606	420	310	165	116	50	26	44	2	
TOTAL HARDWOODS	167,834	63,647	37,961	24,466	16,155	10,593	6,735	3,765	1,969	2,248	265	
ALL SPECIES	381,634	145,147	93,452	58,862	36,088	21,893	12,521	6,639	3,381	3,349	302	

TABLE 14. -- VOLUME OF ALL LIVE TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1978

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 AND LARGER
THOUSAND CUBIC FEET											
SOFTWOOD:											
LONGLEAF PINE	308,201	28,312	48,724	62,562	65,518	55,401	28,696	12,944	4,998	1,046	--
SLASH PINE	446,711	81,837	132,099	101,585	66,082	29,190	21,001	9,723	2,203	2,991	--
SHORTLEAF PINE	59,284	4,847	5,141	10,287	17,638	9,803	6,947	3,012	385	1,224	--
LOBLOLLY PINE	1,109,704	100,453	156,993	187,221	173,604	158,895	121,931	84,775	56,963	66,011	2,858
POND PINE	188,679	14,213	26,171	32,810	38,422	30,365	16,895	13,163	9,850	6,790	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--
SPRUCE PINE	28,465	1,150	2,659	3,588	2,954	3,064	3,841	2,866	4,177	4,166	--
SAND PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	136,299	4,310	9,054	15,842	15,752	24,302	17,358	15,398	11,638	17,163	5,482
PONDYCPRESS	75,923	5,710	10,033	13,721	10,851	10,657	10,344	5,194	2,516	5,329	1,568
CEDARS	1,881	527	303	534	517	--	--	--	--	--	--
TOTAL SOFTWOODS	2,355,147	241,359	391,177	428,150	391,338	321,677	227,013	147,075	92,730	104,720	9,908
HARDWOOD:											
SELECT WHITE OAKS	93,286	9,139	11,250	9,173	11,363	11,745	10,769	9,129	5,917	11,185	3,616
SELECT RED OAKS	34,393	1,123	1,875	3,290	3,060	7,039	5,765	4,773	260	5,079	2,129
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	--	--
OTHER WHITE OAKS	107,409	6,829	7,105	9,934	10,460	9,384	9,566	10,189	9,348	23,009	11,585
OTHER RED OAKS	617,452	64,865	81,590	78,925	77,790	63,331	68,037	45,228	37,111	72,366	28,209
HICKORY	101,041	9,681	11,357	10,572	10,438	12,814	10,645	9,270	6,490	11,816	7,958
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	602	--	--	--	291	--	--	--	--	311	--
SOFT MAPLE	203,498	34,439	28,529	28,173	26,632	28,904	18,126	14,037	10,601	12,928	1,129
BEECH	5,527	807	998	715	223	809	--	--	330	1,644	--
SWEETGUM	504,893	52,728	67,746	83,129	76,903	65,898	57,052	37,976	27,152	32,635	3,674
TUPELO AND BLACKGUM	644,164	49,309	72,472	95,518	116,993	97,457	76,497	54,450	29,419	45,648	6,401
ASH	103,003	7,956	12,662	17,834	15,378	14,480	9,946	8,136	5,009	9,561	2,041
COTTONWOOD	5,537	366	697	1,677	946	232	--	677	208	734	--
BASSWOOD	--	--	--	--	--	--	--	--	--	--	--
YELLOW-POPLAR	109,912	6,684	10,208	15,670	14,132	11,890	12,052	14,865	7,077	13,417	3,917
BAY AND MAGNOLIA	12,523	2,431	1,130	1,597	1,604	692	1,184	296	333	1,168	2,088
BLACK CHERRY	9,795	4,229	4,299	713	232	--	322	--	--	--	--
BLACK WALNUT	988	202	192	--	--	--	--	276	318	--	--
SYCAMORE	6,528	181	209	--	892	1,429	556	715	--	2,119	427
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--
ELM	59,524	3,956	7,268	7,365	8,430	8,565	3,855	5,527	5,882	7,104	1,572
OTHER EASTERN HARDWOODS	125,171	37,034	23,693	18,890	14,135	9,674	6,312	4,240	2,385	6,400	2,408
TOTAL HARDWOODS	2,745,246	291,959	343,280	383,176	389,902	344,343	290,684	219,784	147,840	257,124	77,154
ALL SPECIES	5,100,393	533,318	734,457	811,326	781,240	666,020	517,697	366,859	240,570	361,844	87,062

TABLE 15. -- VOLUME OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1978

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										29.0 AND LARGER
		5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9		
THOUSAND CUBIC FEET												
SOFTWOOD:												
LONGLEAF PINE	305,603	27,840	47,555	62,014	65,336	55,174	28,696	12,944	4,998	1,046	--	
SLASH PINE	436,422	78,126	127,508	100,567	65,503	28,800	21,001	9,723	2,203	2,991	--	
SHORTLEAF PINE	55,541	4,031	4,647	9,124	16,726	9,610	6,782	3,012	1,385	1,224	--	
LOBLOLLY PINE	1,080,348	92,679	148,444	181,530	171,040	157,428	120,237	84,315	56,371	65,446	2,858	
POND PINE	181,758	12,976	24,181	31,178	37,403	29,652	16,565	13,163	9,850	6,790	--	
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--	
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--	
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--	
SPRUCE PINE	26,528	430	1,656	3,374	2,954	3,064	3,841	2,866	4,177	4,166	--	
SAND PINE	--	--	--	--	--	--	--	--	--	--	--	
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--	
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--	
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--	
BALDCYPRESS	131,495	3,987	8,123	15,238	14,995	24,143	16,549	15,222	11,638	16,988	4,612	
PONDCEPRESS	72,468	4,565	9,458	13,580	10,479	10,497	9,474	5,002	2,516	5,329	1,568	
CEDARS	1,881	527	303	534	517	--	--	--	--	--	--	
TOTAL SOFTWOODS	2,292,044	225,161	371,875	417,139	384,953	318,368	223,145	146,247	92,138	103,980	9,038	
HARDWOOD:												
SELECT WHITE OAKS	87,407	8,085	10,155	8,802	9,991	11,261	10,424	8,993	5,195	10,885	3,616	
SELECT RED OAKS	33,290	824	1,826	3,055	2,778	7,039	5,765	4,773	260	4,841	2,129	
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	--	--	
OTHER WHITE OAKS	57,872	4,426	4,173	6,933	6,173	5,330	5,956	4,217	4,206	12,127	4,331	
OTHER RED OAKS	544,314	54,874	69,455	67,071	67,055	58,429	64,436	40,959	35,469	64,314	22,252	
HICKORY	90,349	7,881	9,773	9,220	8,140	11,520	10,341	9,211	6,107	10,451	7,705	
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--	
HARD MAPLE	311	--	--	--	--	--	--	--	--	311	--	
SOFT MAPLE	132,164	20,465	17,303	20,981	16,788	20,932	12,585	9,628	6,008	7,474	--	
BEECH	2,755	182	--	--	--	599	--	--	330	1,644	--	
SWEETGUM	451,223	40,661	57,921	72,731	67,596	61,920	54,686	35,757	26,187	30,090	3,674	
TUPELO AND BLACKGUM	506,334	28,362	51,204	72,664	95,525	83,108	65,728	45,819	24,812	35,085	3,927	
ASH	87,089	5,576	9,330	15,184	12,297	13,229	9,402	7,047	4,841	8,985	1,198	
COTTONWOOD	4,800	165	697	1,373	946	--	--	677	208	734	--	
BASSWOOD	--	--	--	--	--	--	--	--	--	--	--	
YELLOW-POPLAR	102,182	5,691	8,843	15,092	13,042	11,308	12,052	14,343	6,865	11,200	3,746	
BAY AND MAGNOLIA	7,385	703	818	1,144	1,415	506	867	--	333	899	700	
BLACK CHERRY	5,744	1,985	2,996	531	232	--	--	--	--	--	--	
BLACK WALNUT	318	--	--	--	--	--	--	--	--	--	--	
SYCAMORE	5,508	--	209	--	572	1,098	368	715	318	2,119	427	
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--	
ELM	48,572	2,312	5,312	5,914	6,547	6,764	3,491	5,230	5,543	5,887	1,572	
OTHER EASTERN HARDWOODS	38,988	3,783	3,899	5,223	6,303	4,400	4,744	2,439	1,476	6,181	540	
TOTAL HARDWOODS	2,206,605	185,975	253,914	305,918	315,500	297,443	260,845	189,808	128,158	213,227	55,817	
ALL SPECIES	4,498,649	411,136	625,789	723,057	700,453	615,811	483,990	336,055	220,296	317,207	64,855	

TABLE 16. -- VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1978

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)							
		9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 AND LARGER
THOUSAND BOARD FEET									
SOFTWOOD:									
LONGLEAF PINE	1,144,788	252,139	314,815	295,618	164,727	78,778	31,742	6,969	--
SLASH PINE	1,031,166	371,235	299,135	149,616	118,693	58,638	13,951	19,898	--
SHORTLEAF PINE	222,904	33,687	74,744	49,284	37,307	17,765	2,396	7,721	--
LOBLOLLY PINE	4,156,081	637,597	756,205	795,385	667,290	497,561	349,705	432,015	20,323
POND PINE	706,129	116,779	169,339	150,395	90,765	75,905	59,612	43,334	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--
SPRUCE PINE	120,947	14,794	13,786	14,783	19,139	14,617	21,707	22,121	--
SAND PINE	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--
BALDCYPRESS	559,225	44,351	56,413	104,910	79,554	78,131	63,639	99,970	32,257
POND CYPRESS	256,586	41,667	41,007	46,479	46,312	26,097	13,695	31,207	10,122
CEDARS	4,349	1,957	2,392	--	--	--	--	--	--
TOTAL SOFTWOODS	8,202,175	1,514,206	1,727,836	1,606,470	1,223,787	847,492	556,447	663,235	62,702
HARDWOOD:									
SELECT WHITE OAKS	275,468	--	33,192	45,444	46,023	43,037	26,325	60,595	20,852
SELECT RED OAKS	134,185	--	9,355	29,326	27,292	23,931	1,402	28,930	13,949
CHESTNUT OAK	--	--	--	--	--	--	--	--	--
OTHER WHITE OAKS	212,761	--	22,191	22,226	27,938	21,228	22,362	69,376	27,440
OTHER RED OAKS	1,719,373	--	248,924	252,925	305,333	208,803	191,169	370,477	141,742
HICKORY	306,920	--	28,057	46,560	46,922	45,093	31,850	59,266	49,172
YELLOW BIRCH	--	--	--	--	--	--	--	--	--
HARD MAPLE	1,544	--	--	--	--	--	--	1,544	--
SOFT MAPLE	292,498	--	52,812	77,958	52,366	43,144	28,381	37,837	--
BEECH	10,531	--	--	2,281	--	--	1,340	6,910	--
SWEETGUM	1,307,243	--	239,916	264,111	263,010	186,933	145,993	181,895	25,385
TUPELO AND BLACKGUM	1,476,830	--	296,310	317,087	287,127	221,575	127,943	200,544	26,244
ASH	242,927	--	40,032	51,059	40,395	32,484	23,858	48,059	7,040
COTTONWOOD	10,920	--	2,756	--	--	3,194	1,047	3,923	--
BASSWOOD	--	--	--	--	--	--	--	--	--
YELLOW-POPLAR	362,782	--	46,715	48,895	58,657	75,758	38,638	68,273	25,846
BAY AND MAGNOLIA	25,541	--	4,673	2,257	4,767	--	1,613	6,447	5,784
BLACK CHERRY	825	--	825	--	--	--	--	--	--
BLACK WALNUT	1,133	--	--	--	--	--	1,133	--	--
SYCAMORE	25,170	--	1,912	4,089	1,504	3,389	--	11,611	2,665
BLACK LOCUST	--	--	--	--	--	--	--	--	--
ELM	152,072	--	22,317	26,135	14,889	23,706	26,308	29,876	8,841
OTHER EASTERN HARDWOODS	107,362	--	19,575	15,794	19,172	10,947	7,029	31,734	3,111
TOTAL HARDWOODS	6,666,085	--	1,069,562	1,206,147	1,195,395	943,222	676,391	1,217,297	358,071
ALL SPECIES	14,868,260	1,514,206	2,797,398	2,812,617	2,419,182	1,790,714	1,232,838	1,880,532	420,773

TABLE 17. --NET ANNUAL GROWTH AND REMOVALS OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES, 1977

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
- - THOUSAND CUBIC FEET - -		
SOFTWOOD:		
YELLOW PINES	168,573	94,677
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	4,329	1,517
OTHER EASTERN SOFTWOODS	48	--
TOTAL SOFTWOODS	172,950	96,194
HARDWOOD:		
SELECT WHITE AND RED OAKS	4,328	3,004
OTHER WHITE AND RED OAKS	29,243	9,271
HICKORY	2,500	1,429
YELLOW BIRCH	--	--
HARD MAPLE	13	--
SWEETGUM	19,978	8,649
ASH, WALNUT, AND BLACK CHERRY	2,741	659
YELLOW-POPLAR	5,983	1,189
TUPELO AND BLACKGUM	12,716	5,748
BAY AND MAGNOLIA	148	--
OTHER EASTERN HARDWOODS	9,414	2,814
TOTAL HARDWOODS	87,064	32,763
ALL SPECIES	260,014	128,957

TABLE 18. --NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES, 1977

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
- - - THOUSAND BOARD FEET - - -		
SOFTWOOD:		
YELLOW PINES	624,993	358,153
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	20,424	7,516
OTHER EASTERN SOFTWOODS	153	--
TOTAL SOFTWOODS	645,570	365,669
HARDWOOD:		
SELECT WHITE AND RED OAKS	19,526	13,932
OTHER WHITE AND RED OAKS	108,787	31,632
HICKORY	8,872	5,762
YELLOW BIRCH	--	--
HARD MAPLE	70	--
SWEETGUM	71,257	28,949
ASH, WALNUT, AND BLACK CHERRY	9,584	2,419
YELLOW-POPLAR	29,188	6,068
TUPELO AND BLACKGUM	44,528	23,101
BAY AND MAGNOLIA	800	--
OTHER EASTERN HARDWOODS	27,587	9,021
TOTAL HARDWOODS	320,199	120,884
ALL SPECIES	965,769	486,553

TABLE 19. --MORTALITY OF GROWING STOCK AND SAWTIMBER ON COMMERCIAL  
FOREST LAND, BY SPECIES, 1977

SPECIES	GROWING STOCK	SAWTIMBER
	THOUSAND CUBIC FEET	THOUSAND BOARD FEET
SOFTWOOD:		
YELLOW PINES	11,678	30,286
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	441	--
OTHER EASTERN SOFTWOODS	79	392
TOTAL SOFTWOODS	12,198	30,678
HARDWOOD:		
SELECT WHITE AND RED OAKS	653	2,224
OTHER WHITE AND RED OAKS	4,081	10,387
HICKORY	200	589
YELLOW BIRCH	--	--
HARD MAPLE	--	--
SWEETGUM	1,247	3,029
ASH, WALNUT, AND BLACK CHERRY	1,184	3,192
YELLOW-POPLAR	390	1,040
TUPELO AND BLACKGUM	917	2,976
BAY AND MAGNOLIA	--	--
OTHER EASTERN HARDWOODS	2,110	6,535
TOTAL HARDWOODS	10,762	29,972
ALL SPECIES	22,960	60,650



TABLE 20. -- VOLUME OF ALL LIVE TREES AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1978

OWNERSHIP CLASS	ALL LIVE TREES				GROWING STOCK					
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
						THOUSAND CUBIC FEET				
NATIONAL FOREST	18,919	10,100	--	5,535	3,284	18,397	9,971	--	5,142	3,284
OTHER PUBLIC	341,214	178,771	6,694	93,246	62,503	320,138	176,938	6,482	83,093	53,625
FOREST INDUSTRY	975,446	392,789	54,477	323,109	205,071	865,979	377,227	52,011	258,633	178,108
FARMER	1,907,322	741,700	66,368	668,358	430,896	1,658,734	722,173	63,740	539,909	332,912
MISCELLANEOUS PRIVATE	1,857,492	817,684	86,564	496,555	456,689	1,635,401	799,891	83,611	399,627	352,272
ALL OWNERSHIPS	5,100,393	2,141,044	214,103	1,586,803	1,158,443	4,498,649	2,086,200	205,844	1,286,404	920,201

TABLE 21. -- VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1978

OWNERSHIP CLASS	SMALL SAWTIMBER <sup>1</sup>					LARGE SAWTIMBER <sup>2</sup>				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
	THOUSAND BOARD FEET									
NATIONAL FOREST	25,203	19,251	--	5,952	--	30,129	3,844	--	17,514	8,771
OTHER PUBLIC	556,072	414,166	9,140	85,987	46,779	534,623	259,537	14,300	140,565	120,221
FOREST INDUSTRY	1,222,789	697,370	106,077	261,336	158,006	1,589,366	389,036	97,988	593,159	509,183
FARMER	2,588,452	1,513,259	114,375	632,671	328,147	2,846,261	1,221,606	121,348	866,907	636,400
MISCELLANEOUS PRIVATE	2,731,705	1,865,290	109,584	439,935	316,896	2,743,660	998,656	247,348	685,987	811,669
ALL OWNERSHIPS	7,124,221	4,509,336	339,176	1,425,881	849,828	7,744,039	2,872,679	480,984	2,304,132	2,086,244

<sup>1</sup> VOLUME OF SAWTIMBER TREES LESS THAN 15.0 INCHES AT D.B.H.  
<sup>2</sup> VOLUME OF SAWTIMBER TREES 15.0 INCHES AND LARGER AT D.B.H.

TABLE 22. --NET ANNUAL GROWTH AND REMOVALS OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1977

OWNERSHIP CLASS	NET ANNUAL GROWTH				ANNUAL TIMBER REMOVALS					
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
THOUSAND CUBIC FEET										
NATIONAL FOREST	1,227	1,018	--	131	78	--	--	--	--	--
OTHER PUBLIC	17,390	11,811	131	3,453	1,995	2,602	2,602	--	--	--
FOREST INDUSTRY	54,215	38,152	1,169	8,459	6,435	37,249	26,490	601	5,678	4,480
FARMER	95,184	56,344	1,294	21,497	16,049	48,695	33,618	622	8,337	6,118
MISCELLANEOUS PRIVATE	91,998	61,248	1,783	14,956	14,011	40,411	31,967	294	4,293	3,857
ALL OWNERSHIPS	260,014	168,573	4,377	48,496	38,568	128,957	94,677	1,517	18,308	14,455

TABLE 23. --NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1977

OWNERSHIP CLASS	NET ANNUAL GROWTH					ANNUAL TIMBER REMOVALS				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
THOUSAND BOARD FEET										
NATIONAL FOREST	6,467	4,518	--	694	1,255	--	--	--	--	--
OTHER PUBLIC	76,428	54,691	617	13,507	7,613	4,201	4,201	--	--	--
FOREST INDUSTRY	183,329	117,005	5,415	30,326	30,583	140,362	101,345	2,942	20,360	15,715
FARMER	353,134	216,980	5,998	76,911	53,245	174,013	120,194	3,036	28,903	21,880
MISCELLANEOUS PRIVATE	346,411	231,799	8,547	50,563	55,502	167,977	132,413	1,538	17,073	16,953
ALL OWNERSHIPS	965,769	624,993	20,577	172,001	148,198	486,553	358,153	7,516	66,336	54,548

TABLE 24. --AVERAGE NET VOLUME PER ACRE OF SAWTIMBER, GROWING STOCK, AND OTHER LIVE TIMBER ON COMMERCIAL FOREST LAND, BY FOREST TYPE, SPECIES GROUP, AND OWNERSHIP CLASS, MAJOR FOREST TYPE, AND SPECIES GROUP, 1978

FOREST TYPE, SPECIES GROUP, AND CLASS OF MATERIAL	ALL OWNERSHIPS			OWNERSHIP CLASS					
	NATIONAL FOREST			OTHER PUBLIC		FOREST INDUSTRY		FARMER	
	BOARD FEET	CUBIC FEET		BOARD FEET	CUBIC FEET	BOARD FEET	CUBIC FEET	BOARD FEET	CUBIC FEET
PINE TYPES:									
GROWING STOCK:									
SOFTWOOD	4,068	1,229	7,934	3,425	4,219	1,207	2,898	1,097	4,390
HARDWOOD	142	79	--	--	88	44	74	51	160
TOTAL	4,210	1,308	7,934	3,425	4,307	1,251	2,972	1,148	4,550
OTHER TIMBER:									
SOFTWOOD	--	33	--	44	--	13	--	49	--
HARDWOOD	--	27	--	--	--	5	--	16	--
TOTAL	--	60	--	44	--	18	--	65	--
OAK-PINE TYPES:									
GROWING STOCK:									
SOFTWOOD	2,745	635	--	--	4,411	941	2,214	517	3,162
HARDWOOD	973	396	--	--	1,217	549	1,146	481	989
TOTAL	3,718	1,031	--	--	5,628	1,490	3,360	998	4,151
OTHER TIMBER:									
SOFTWOOD	--	13	--	--	--	15	--	16	--
HARDWOOD	--	120	--	--	--	88	--	109	--
TOTAL	--	133	--	--	--	103	--	125	--
UPLAND HARDWOOD TYPES:									
GROWING STOCK:									
SOFTWOOD	596	142	--	--	1,055	231	767	172	499
HARDWOOD	1,868	609	--	--	2,852	777	3,466	1,009	1,261
TOTAL	2,262	751	--	--	3,907	1,008	4,233	1,181	1,760
OTHER TIMBER:									
SOFTWOOD	--	7	--	--	--	--	--	5	--
HARDWOOD	--	180	--	--	--	236	--	137	--
TOTAL	--	187	--	--	--	236	--	142	--
BOTTOMLAND HARDWOOD TYPES:									
GROWING STOCK:									
SOFTWOOD	1,366	314	--	--	1,998	427	1,659	399	986
HARDWOOD	5,792	1,797	11,078	2,895	7,099	2,543	7,417	2,036	5,018
TOTAL	7,158	2,111	11,078	2,895	9,097	2,970	9,076	2,435	6,004
OTHER TIMBER:									
SOFTWOOD	--	10	--	--	--	6	--	14	--
HARDWOOD	--	396	--	135	--	221	--	434	--
TOTAL	--	406	--	135	--	227	--	448	--
ALL TYPES:									
GROWING STOCK:									
SOFTWOOD	2,545	711	3,968	1,713	3,333	877	2,293	763	2,382
HARDWOOD	2,058	685	5,538	1,447	1,882	654	2,704	776	1,976
TOTAL	4,613	1,396	9,506	3,160	5,215	1,531	4,997	1,539	4,358
OTHER TIMBER:									
SOFTWOOD	--	20	--	22	--	10	--	32	--
HARDWOOD	--	167	--	67	--	91	--	162	--
TOTAL	--	187	--	89	--	101	--	194	--
ALL TIMBER	4,613	1,583	9,506	3,249	5,215	1,632	4,997	1,733	4,358
ROUGH AND ROTTEN TREES:									

TABLE 25. --LAND AREA, BY CLASS, MAJOR FOREST TYPE, AND SURVEY COMPLETION DATE, 1958, 1968, AND 1978

LAND USE CLASS	SURVEY COMPLETION DATE			CHANGE 1968-1978
	1958	1968	1978	
----- ACRES -----				
FOREST LAND:				
COMMERCIAL FOREST LAND:				
PINE AND OAK-PINE TYPES	1,571,700	1,692,540	1,759,416	+ 66,876
HARDWOOD TYPES	1,541,200	1,571,727	1,463,968	-107,759
TOTAL	3,112,900	3,264,267	3,223,384	- 40,883
NONCOMMERCIAL FOREST LAND:				
PRODUCTIVE-RESERVED	5,600	4,900	17,001	+ 12,101
UNPRODUCTIVE	--	2,219	--	- 2,219
TOTAL	5,600	7,119	17,001	+ 9,882
NONFOREST LAND:				
CROPLAND	1,387,700	1,129,294	1,156,172	+ 26,878
PASTURE AND RANGE	164,400	190,904	128,170	- 62,734
OTHER	448,600	521,250	571,222	+ 49,972
TOTAL	2,000,700	1,841,448	1,855,564	+ 14,116
ALL LAND <sup>1</sup>	5,119,200	5,112,834	5,095,949	- 16,885

<sup>1</sup> EXCLUDES ALL WATER AREAS.

TABLE 26. -- VOLUME OF SAWTIMBER, GROWING STOCK, AND ALL LIVE TIMBER ON COMMERCIAL FOREST LAND, BY SPECIES GROUP, DIAMETER CLASS, AND SURVEY COMPLETION DATE

SPECIES GROUP	YEAR	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
			5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0 AND LARGER
SAWTIMBER (IN THOUSAND BOARD FEET)											
SOFTWOOD	1958	4,537,808	--	--	812,793	942,202	926,506	739,890	518,450	254,157	343,810
	1968	5,631,765	--	--	926,314	1,210,858	1,129,915	856,222	608,394	378,283	521,779
	1978	8,202,175	--	--	1,514,206	1,727,836	1,606,470	1,223,787	847,492	556,447	725,937
HARDWOOD	1958	4,972,661	--	--	--	831,292	975,475	963,644	617,950	539,364	1,044,936
	1968	5,459,184	--	--	--	880,085	1,033,319	953,883	778,767	546,922	1,266,208
	1978	6,666,085	--	--	--	1,069,562	1,206,147	1,195,395	943,222	676,391	1,575,368
GROWING STOCK (IN THOUSAND CUBIC FEET)											
SOFTWOOD	1958	1,231,328	103,122	190,749	223,910	209,938	183,612	134,918	89,465	42,086	53,528
	1968	1,606,482	210,781	241,803	255,183	269,799	223,923	156,131	104,986	62,640	81,236
	1978	2,292,044	225,161	371,875	417,139	384,953	318,368	223,145	146,247	92,138	113,018
HARDWOOD	1958	1,662,878	128,425	193,629	239,758	245,219	240,561	210,265	124,361	102,191	178,469
	1968	1,840,426	155,782	216,040	269,422	259,612	254,826	208,135	156,725	103,623	216,261
	1978	2,206,605	185,975	253,914	305,918	315,500	297,443	260,845	189,808	128,158	269,044
ALL LIVE TIMBER (IN THOUSAND CUBIC FEET)											
SOFTWOOD	1958	1,263,709	110,451	200,606	229,737	213,449	185,543	137,255	89,992	42,386	54,290
	1968	1,652,277	225,765	254,301	261,834	274,305	226,272	158,807	105,557	63,058	82,378
	1978	2,355,147	241,359	391,177	428,150	391,338	321,677	227,013	147,075	92,730	114,628
HARDWOOD	1958	2,063,804	202,127	261,629	300,405	303,083	278,494	234,339	144,018	117,930	221,779
	1968	2,292,263	245,183	291,913	337,567	320,876	294,999	231,981	181,487	119,565	268,692
	1978	2,745,246	291,959	343,280	383,176	389,902	344,343	290,684	219,784	147,840	334,278

TO PROVIDE A BASIS FOR VALID COMPARISONS, ADJUSTMENTS HAVE BEEN MADE TO ALLOW FOR DIFFERENCES IN VOLUME TABLES AND SAWTIMBER SPECIFICATIONS USED IN PREVIOUS SURVEYS.



Sheffield, Raymond M., and Joanne Hutchison

1979. Forest statistics for the Southern Coastal Plain of South Carolina, 1978. U.S. Dep. Agric. For. Serv., Resour. Bull. SE-49, 33 p. Southeast For. Exp. Stn., Asheville, N.C.

Since 1968, the area of commercial forest land in this 12-county area has decreased by 41,000 acres, or about 1 percent. Commercial forests now occupy 3.2 million acres, or 62 percent of the total land area. Farmer-owned woodlands decreased by 430,000 acres, with most of this acreage moving to the miscellaneous private, corporate class. The inventory of softwood and hardwood growing stock increased by 43 and 20 percent, respectively. Loblolly pine volume increased by 52 percent. Net annual growth of growing stock averaged 81 cubic feet per acre of commercial forest land, more than double the volume of annual timber removals.

**KEYWORDS:** Forest trends, commercial forest land, forest ownership, timber volume, timber growth, timber removals.

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